LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM050919\
Data File : BM020222.D
Acq On : 09 May 2019 18:02
Operator : JU/SJ
Sample : K2645-03 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : PL-02-050719-B

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM043019.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.357	397	403	415	rBV	315507	496278	13.72%	1.236%
2	6.940	666	672	685	rBV	286454	522854	14.46%	1.302%
3	7.304	726	734	744	rBV	327867	551387	15.24%	1.374%
4	7.775	806	814	822	rBV	439344	723022	19.99%	1.801%
5	8.093	861	868	880	rVB	258132	418745	11.58%	1.043%
6	8.940	1005	1012	1022	rBV	173275	329333	9.11%	0.820%
7	10.569	1282	1289	1295	rBV	518407	876471	24.23%	2.183%
8	10.622	1295	1298	1304	rVB	41928	58940	1.63%	0.147%
9	12.234	1567	1572	1580	rVB3	37074	67667	1.87%	0.169%
10	12.451	1604	1609	1619	rVB2	41152	77611	2.15%	0.193%
11	13.033	1702	1708	1718	rBV	424474	632725	17.49%	1.576%
12	13.592	1793	1803	1807	rBV6	17841	52161	1.44%	0.130%
13	13.739	1821	1828	1833	rBV3	40088	76293	2.11%	0.190%
14	13.875	1846	1851	1856	rBV	66429	95257	2.63%	0.237%
15	14.145	1891	1897	1905	rBV	111751	185413	5.13%	0.462%
16	14.298	1916	1923	1927	rBV5	26205	47240	1.31%	0.118%
17	14.422	1937	1944	1950	rBV2	743440	1164889	32.21%	2.902%
18	14.480	1950	1954	1961	rVB	79780	130899	3.62%	0.326%
19	14.822	2007	2012	2021	rVB	75537	124304	3.44%	0.310%
20	15.027	2042	2047	2051	rBV4	23535	42975	1.19%	0.107%
21	15.198	2071	2076	2081	rBV7	15882	39439	1.09%	0.098%
22	15.251	2081	2085	2089	rVB4	25636	37543	1.04%	0.094%
23	15.469	2116	2122	2133	rVB	182350	301394	8.33%	0.751%
24	15.757	2167	2171	2177	rVB2	36964	59153	1.64%	0.147%
25	15.910	2186	2197	2206	rBV	400090	650542	17.99%	1.621%
26	16.116	2227	2232	2234	rBV3	38761	54722	1.51%	0.136%
27	16.469	2283	2292	2297	rBV4	50354	112456	3.11%	0.280%
28	16.521	2297	2301	2305	rVB4	37404	51973	1.44%	0.129%
29	16.621	2312	2318	2323	rVB4	30248	52902	1.46%	0.132%
30	16.692	2323	2330	2334	rBV8	28503	57311	1.58%	0.143%
31	16.739	2334	2338	2344	rVV7	30274	54283	1.50%	0.135%
32	16.827	2348	2353	2359	rBV3	39318	62757	1.74%	0.156%
33	16.904	2360	2366	2370	rVV5	41322	70626	1.95%	0.176%
34	16.986	2376	2380	2387	rVB	98155	152438	4.21%	0.380%

LSC Area Percent Report

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Acq On : 09 May 2019 18:02
Operator : JU/SJ
Sample : K2645-03 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : PL-02-050719-B

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM043019.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	17.169	2405	2411	2414	rBV	1016111	1440868	39.84%	3.589%
36	17.210	2414	2418	2425	rVV	1408368	2005070	55.43%	4.995%
37	17.304	2428	2434	2439	rVV	348356	520395	14.39%	1.296%
38	17.574	2474	2480	2488	rBV	101307	189763	5.25%	0.473%
39	17.645	2489	2492	2495	rVV4	31537	39732	1.10%	0.099%
40	17.686	2495	2499	2506	rVV2	43702	72993	2.02%	0.182%
41	17.745	2506	2509	2518	rVV3	54371	86397	2.39%	0.215%
42	17.827	2518	2523	2529	rVB	287253	358366	9.91%	0.893%
43	17.898	2529	2535	2538	rBV	27184	53773	1.49%	0.134%
44	18.045	2554	2560	2564	rBV	231821	377533	10.44%	0.940%
45	18.092	2564	2568	2573	rVB	259902	373924	10.34%	0.931%
46	18.174	2573	2582	2586	rBV	105876	176562	4.88%	0.440%
47	18.239	2587	2593	2597	rVV3	349064	633471	17.51%	1.578%
48	18.274	2597	2599	2606	rVB	145359	174917	4.84%	0.436%
49	18.345	2606	2611	2616	rBV8	39354	70260	1.94%	0.175%
50	18.439	2623	2627	2631	rVB5	28364	37717	1.04%	0.094%
51	18.545	2641	2645	2649	rBV	140825	188633	5.22%	0.470%
52	18.592	2649	2653	2663	rVB2	90273	136136	3.76%	0.339%
53	18.786	2683	2686	2691	rVV3	35389	50961	1.41%	0.127%
54	18.839	2692	2695	2699	rVV	53948	69464	1.92%	0.173%
55	18.880	2699	2702	2706	rVB3	44441	54809	1.52%	0.137%
56	18.974	2711	2718	2720	rBV2	984683	1344563	37.17%	3.349%
57	19.004	2720	2723	2736	rVV4	1319673	1849178	51.12%	4.606%
58	19.110	2736	2741	2742	rVV2	92214	142765	3.95%	0.356%
59	19.133	2742	2745	2750	rVB	149009	212766	5.88%	0.530%
60	19.227	2755	2761	2767	rBV	2259814	3055646	84.48%	7.612%
61	19.327	2774	2778	2782	rVB2	60661	77318	2.14%	0.193%
62	19.380	2783	2787	2791	rVB	63018	82377	2.28%	0.205%
63	19.474	2799	2803	2806	rBV	60053	85155	2.35%	0.212%
64	19.557	2813	2817	2819	rBV	309457	421757	11.66%	1.051%
65	19.592	2819	2823	2831	rVV	1889632	2645491	73.14%	6.590%
66	19.662	2831	2835	2841	rVB2	91584	149921	4.14%	0.373%
67	19.792	2850	2857	2861	rBV2	762216	1012889	28.00%	2.523%
68	19.915	2872	2878	2885	rBV3	141763	383747	10.61%	0.956%
69	19.974	2885	2888	2890	rBV	50988	61365	1.70%	0.153%
70	20.086	2895	2907	2912	rVV	357657	784387	21.69%	1.954%
71	20.186	2920	2924	2928	rBV2	282904	366441	10.13%	0.913%

LSC Area Percent Report

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Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_M
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Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
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Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	20.245	2928	2934	2938	rVV4	189979	324253	8.96%	0.808%
73	20.386	2954	2958	2962	rBV	120831	170220	4.71%	0.424%
74	20.433	2963	2966	2976	rVB	128487	201790	5.58%	0.503%
75	20.833	3032	3034	3040	rVB2	113666	158557	4.38%	0.395%
76	21.004	3059	3063	3066	rBV	170951	218774	6.05%	0.545%
77	21.039	3066	3069	3073	rVV2	173074	237748	6.57%	0.592%
78	21.080	3073	3076	3081	rVB2	118507	182487	5.05%	0.455%
79	21.351	3116	3122	3126	rBV2	1805938	3617012	100.00%	9.010%
80	21.392	3126	3129	3137	rVB	1033291	1295263	35.81%	3.227%
81	22.950	3389	3394	3400	rBV	690070	1616536	44.69%	4.027%
82	23.445	3474	3478	3484	rVB	429382	710106	19.63%	1.769%
83	23.545	3490	3495	3502	rVB	791238	1386254	38.33%	3.453%
84	23.645	3506	3512	3517	rBV	944344	1804897	49.90%	4.496%

Sum of corrected areas: 40143410

LSC Report - Integrated Chromatogram

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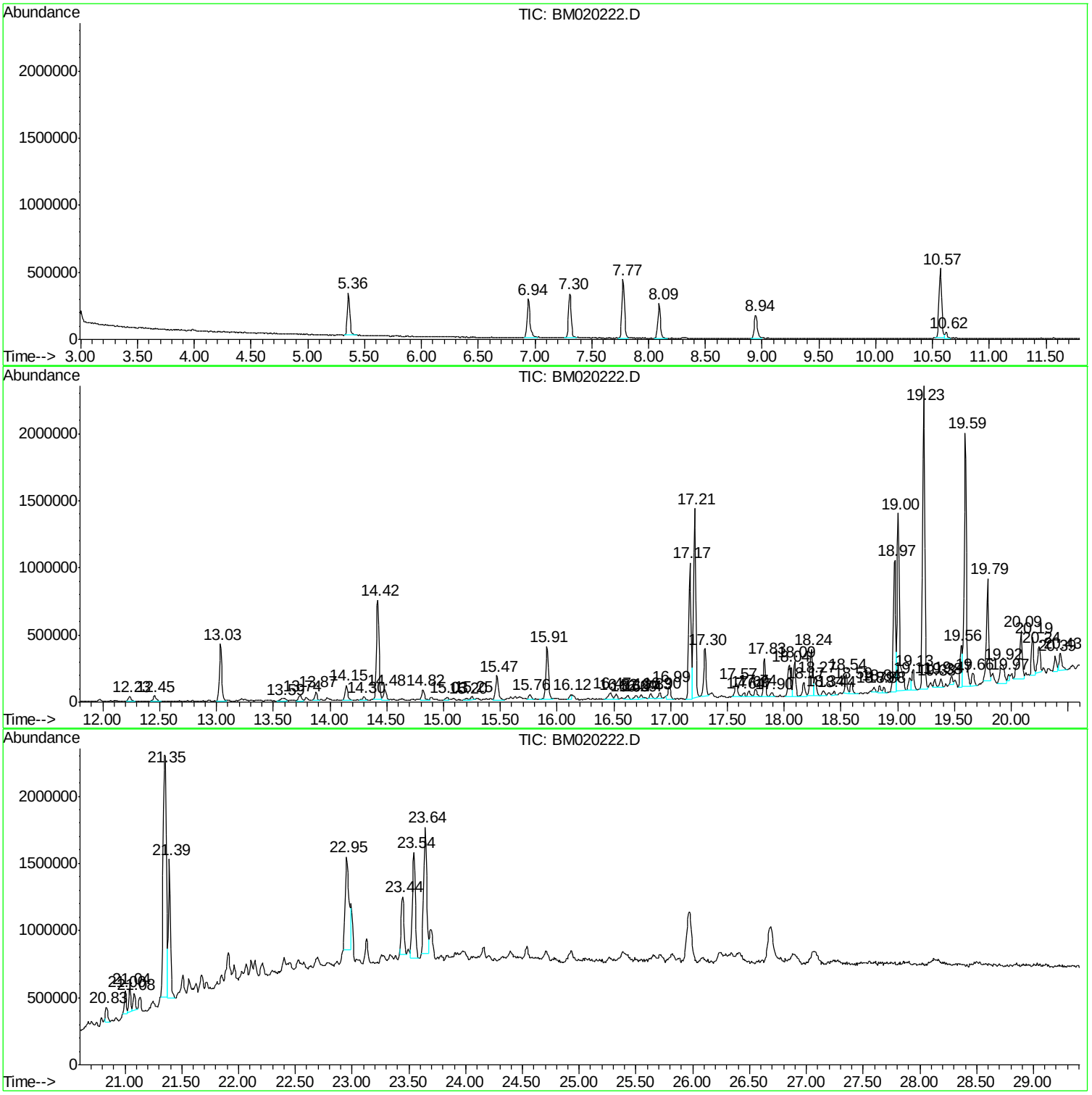
Operator : JU/SJ
Sample : K2645-03 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : PL-02-050719-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM043019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM050919\
Data File : BM020222.D
Acq On : 09 May 2019 18:02
Operator : JU/SJ
Sample : K2645-03 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : PL-02-050719-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM043019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

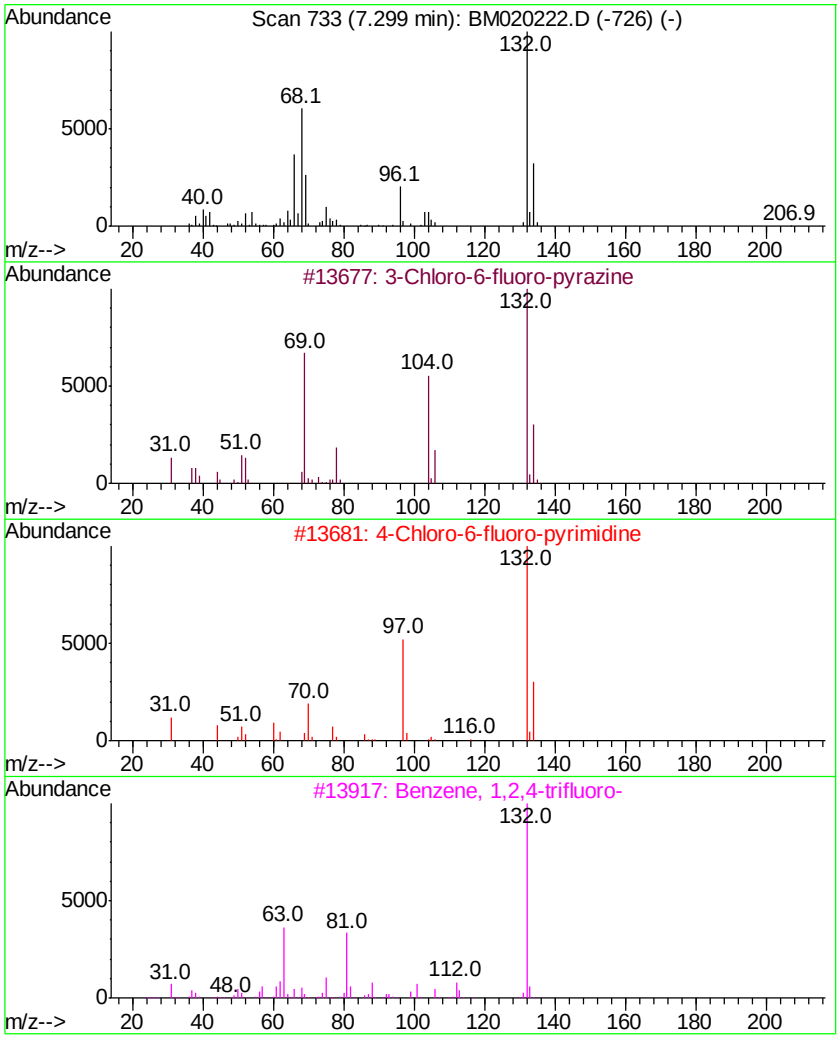
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

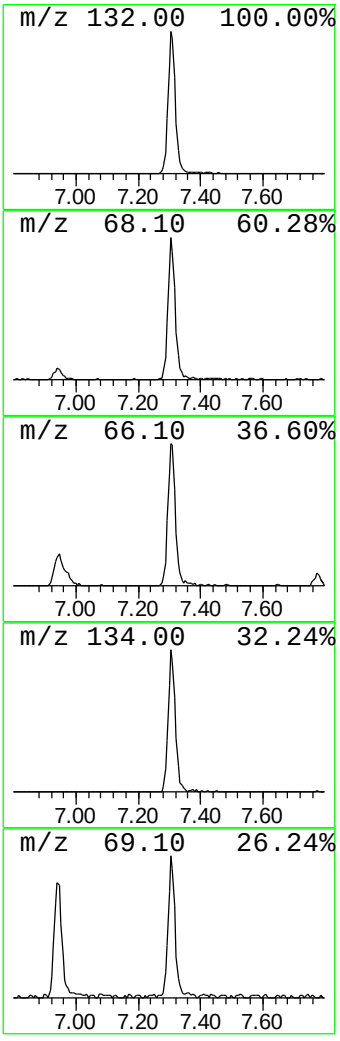
****

Peak Number 1 unknown7.30 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.30	15.25 ng	551387	1,4-Dichlorobenzene-d4	7.77

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	27
3	Benzene, 1,2,4-trifluoro-	132	C6H3F3	000367-23-7	14
4	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	12
5	1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	12





Library Search Compound Report

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Sample : K2645-03 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : PL-02-050719-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM043019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

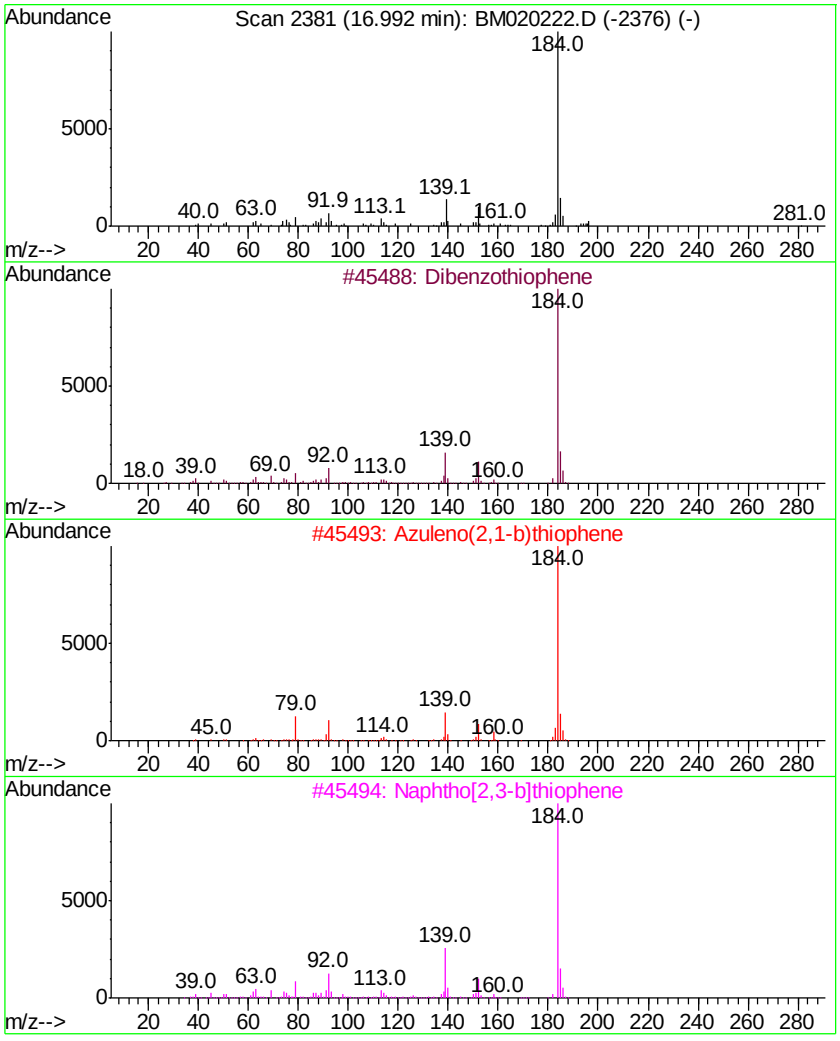
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

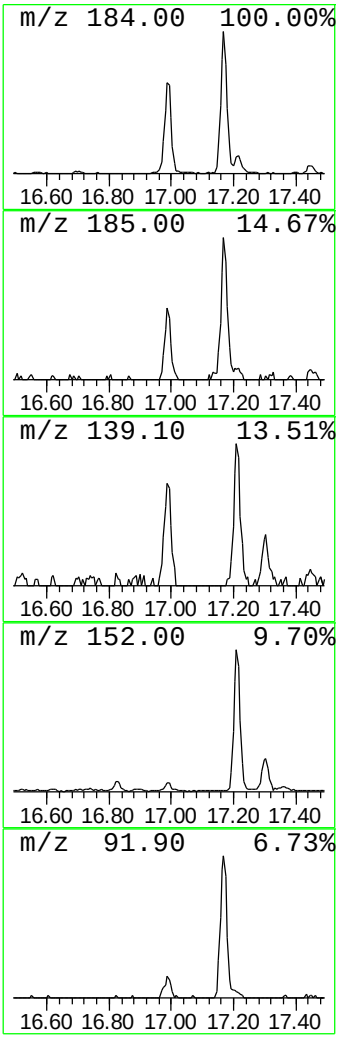
****

Peak Number 5 Dibenzothiophene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.99	2.12 ng	152438	Phenanthrene-d10	17.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	91
2	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	90
3	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	87
4	Naphthalene, 2-ethenyl-6-methoxy-	184	C13H12O	063444-51-9	64
5	Thianthrene, 5-oxide	232	C12H8OS2	002362-50-7	64





Library Search Compound Report

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Data File : BM020222.D
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Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : PL-02-050719-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM043019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
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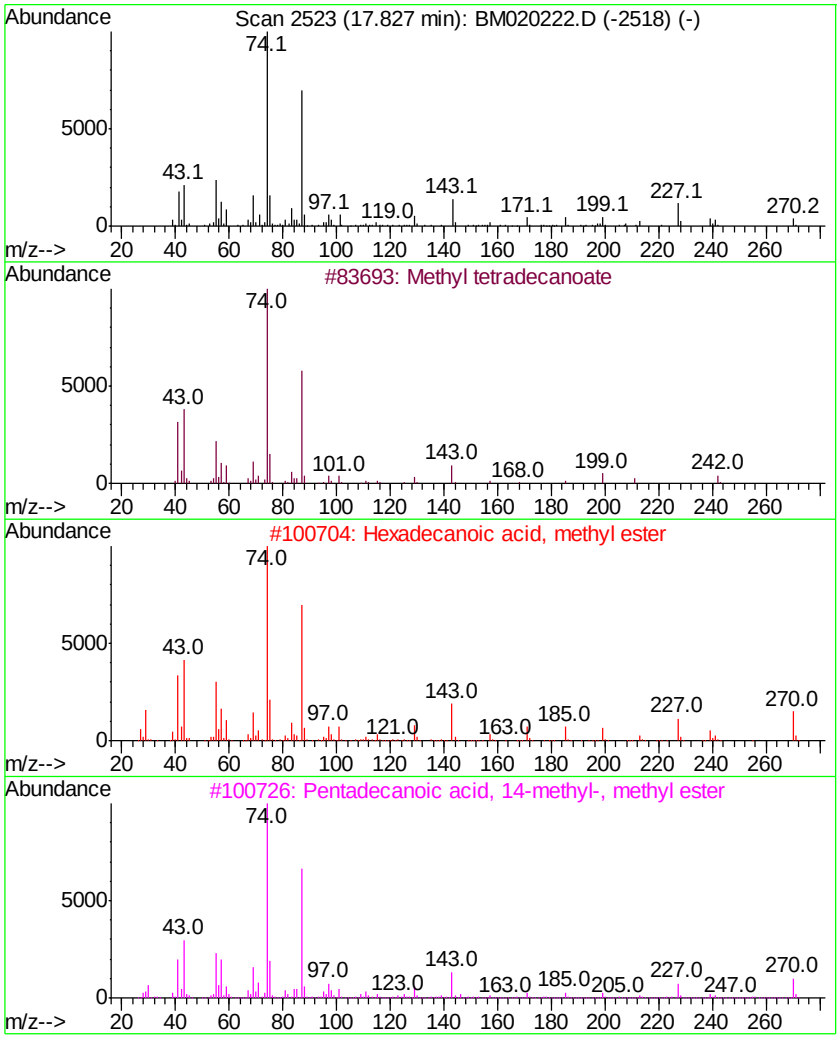
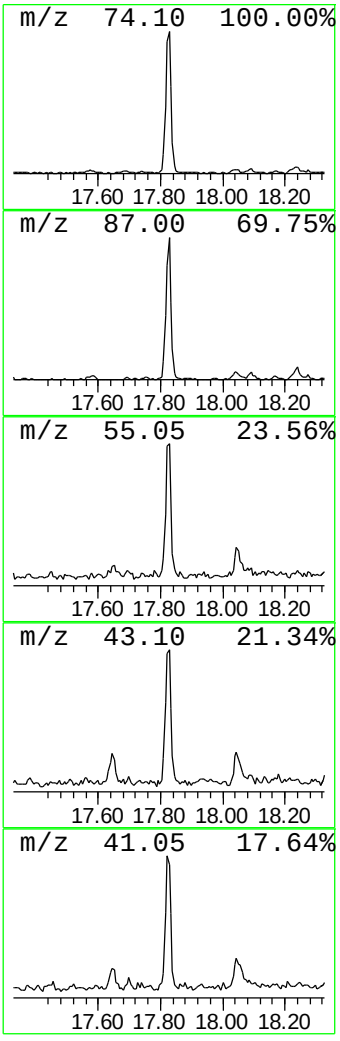
****

Peak Number 6 Methyl tetradecanoate Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.83	4.97 ng	358366	Phenanthrene-d10	17.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methyl tetradecanoate	242	C15H30O2	000124-10-7	95
2	Hexadecanoic acid, methyl ester	270	C17H34O2	000112-39-0	95
3	Pentadecanoic acid, 14-methyl-, ...	270	C17H34O2	005129-60-2	91
4	Tridecanoic acid, methyl ester	228	C14H28O2	001731-88-0	89
5	9-Octadecenoic acid, 12-(acetylo...	354	C21H38O4	000140-03-4	86





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

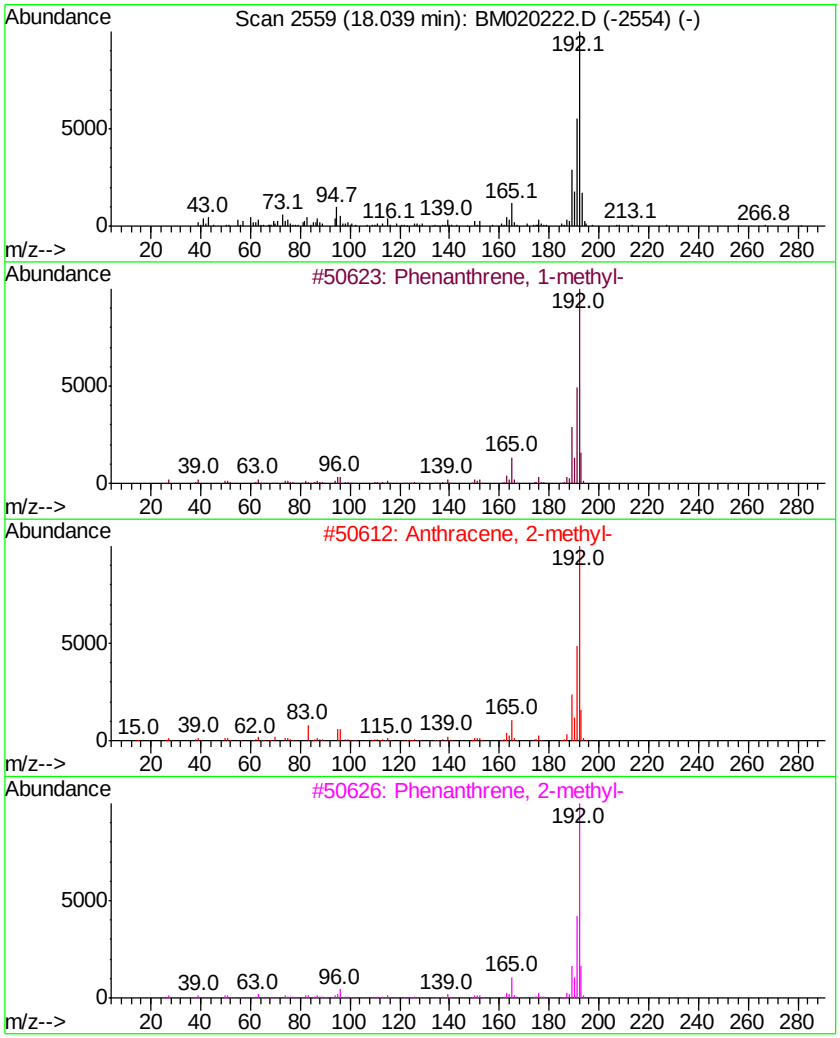
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

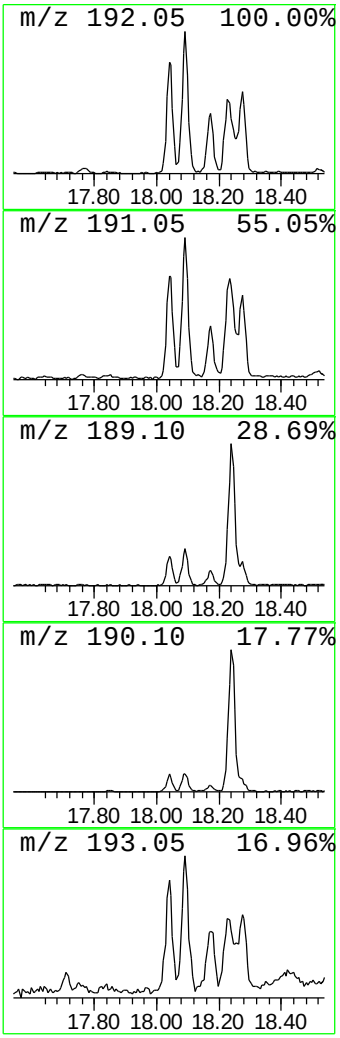
****

Peak Number 7 Phenanthrene, 1-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.04	5.24 ng	377533	Phenanthrene-d10	17.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	94





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Data File : BM020222.D
Acq On : 09 May 2019 18:02
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Sample : K2645-03 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : PL-02-050719-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM043019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

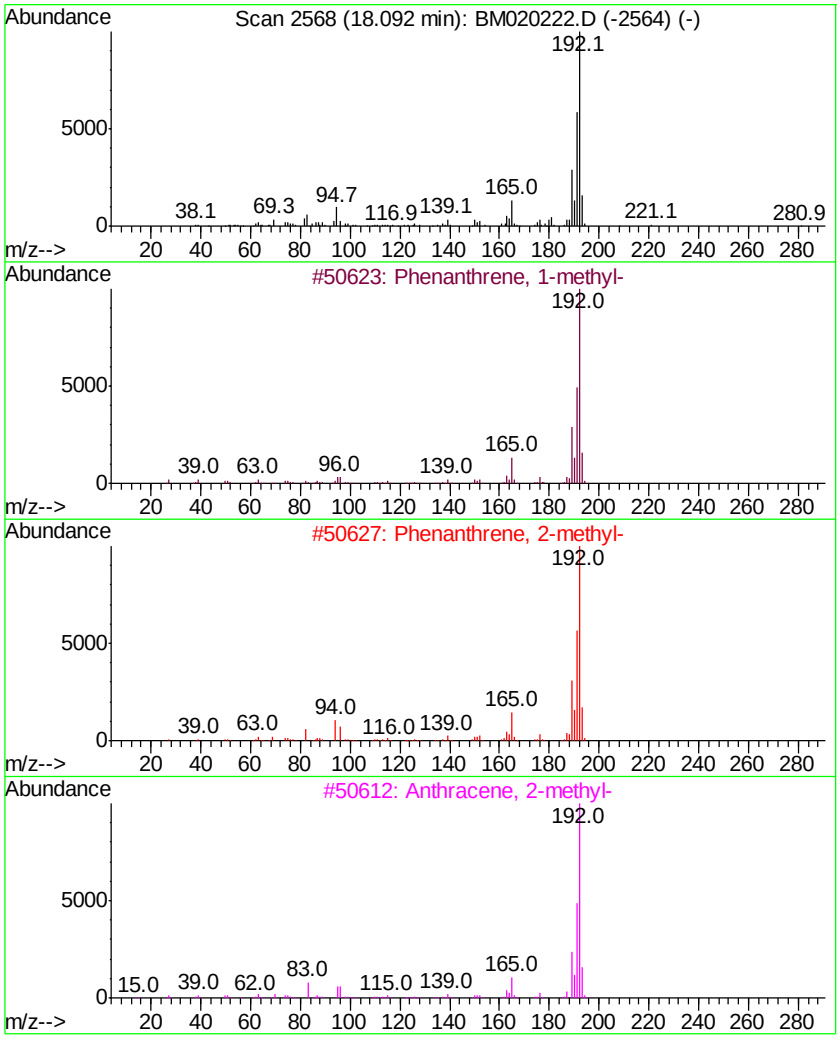
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

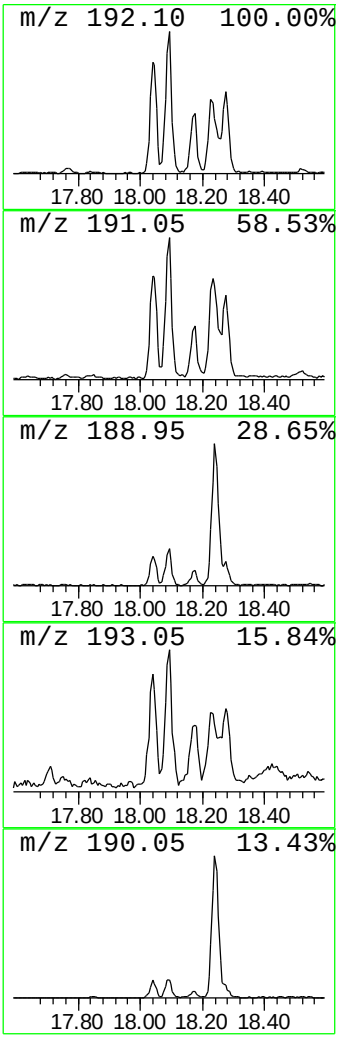
****

Peak Number 8 Phenanthrene, 2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.09	5.19 ng	373924	Phenanthrene-d10	17.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	90





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Data File : BM020222.D
Acq On : 09 May 2019 18:02
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Sample : K2645-03 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : PL-02-050719-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM043019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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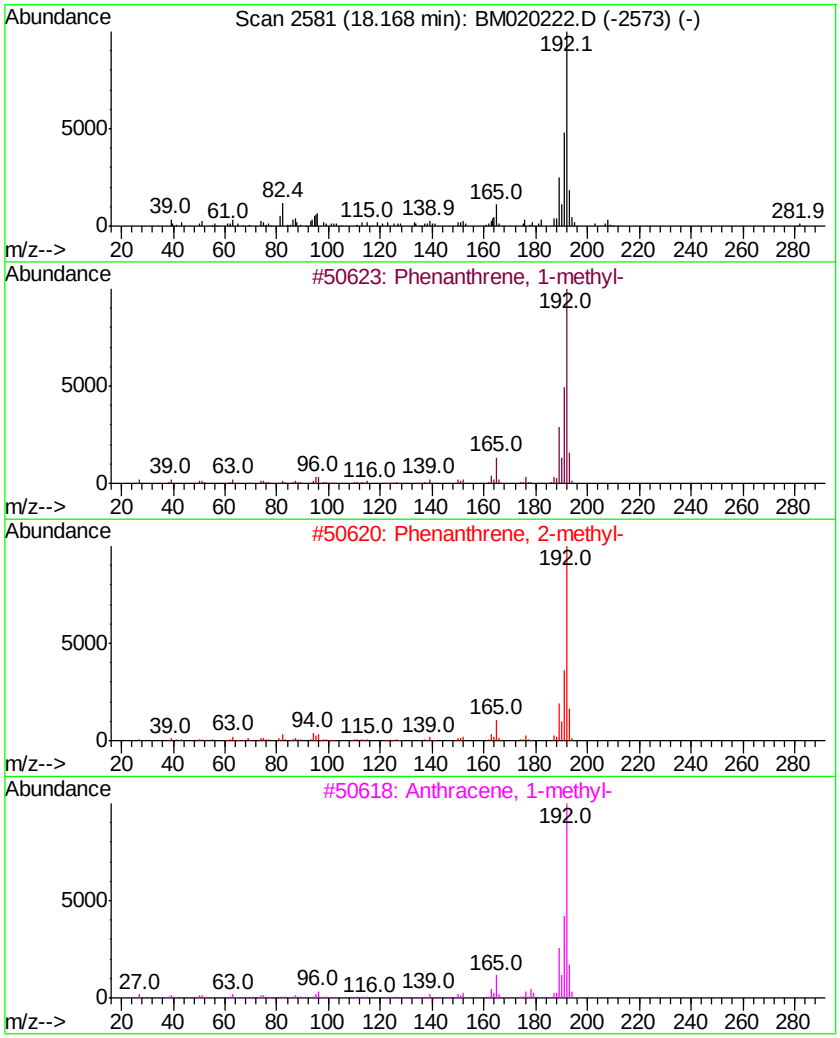
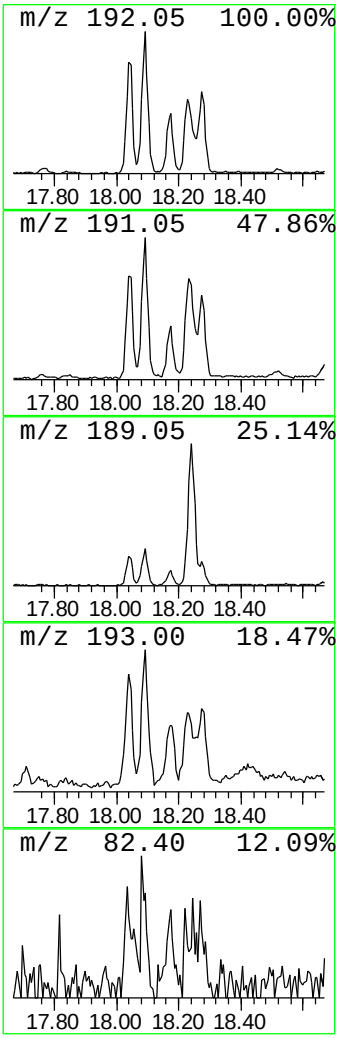
Peak Number 9 Anthracene, 1-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.17	2.45 ng	176562	Phenanthrene-d10	17.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	91
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	90





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Data File : BM020222.D
Acq On : 09 May 2019 18:02
Operator : JU/SJ
Sample : K2645-03 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : PL-02-050719-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM043019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

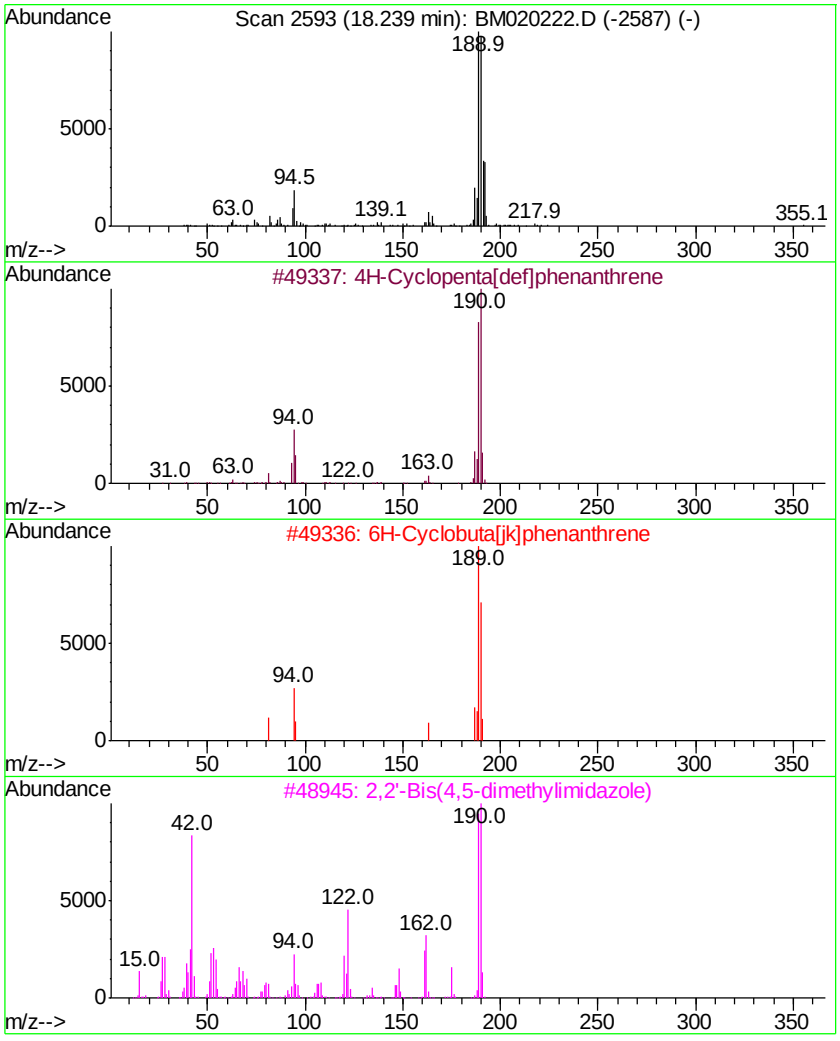
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

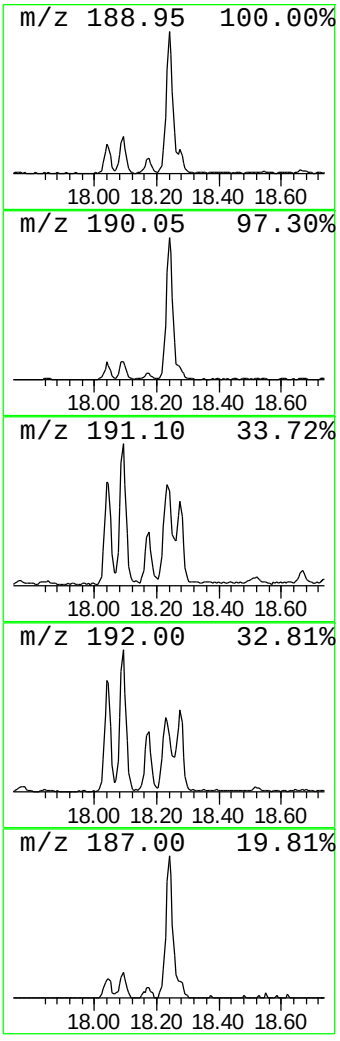
****

Peak Number 10 4H-Cyclopenta[def]phenanthrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.24	8.79 ng	633471	Phenanthrene-d10	17.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	72
3	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	45
4	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	12
5	4-Isothiazolecarbonitrile, 5-chl...	190	C5H3ClN2S2	054798-93-5	12





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Acq On : 09 May 2019 18:02
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Sample : K2645-03 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : PL-02-050719-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM043019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

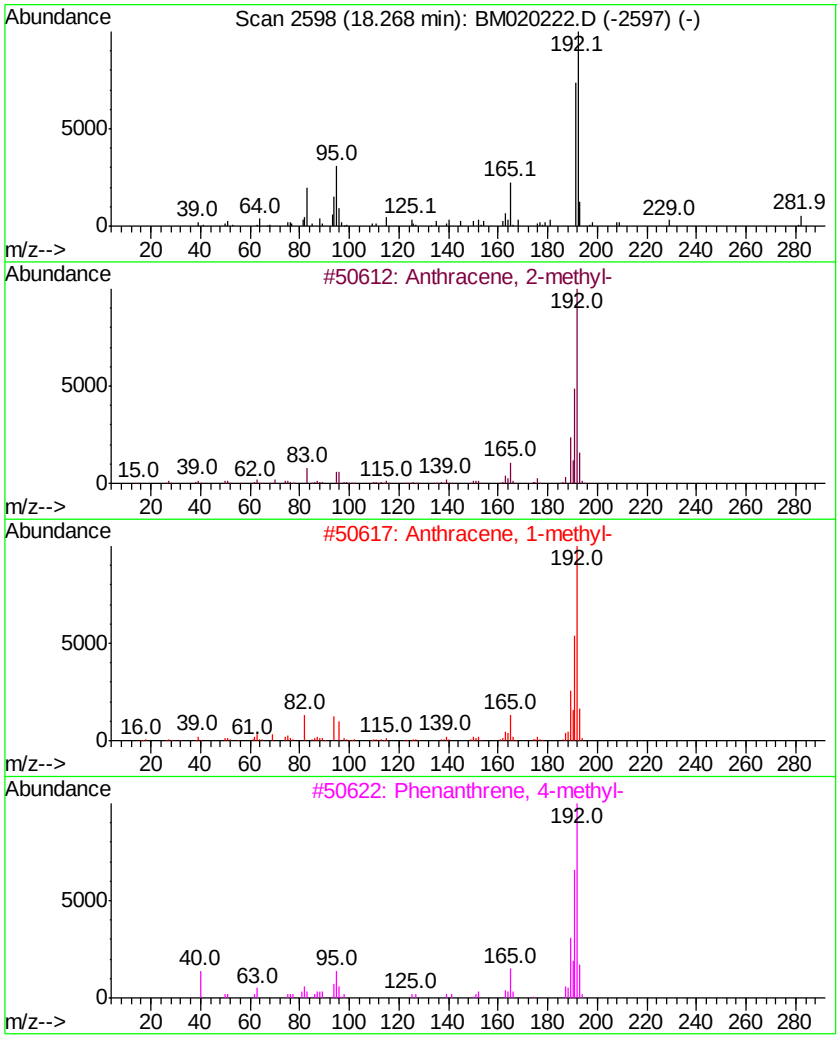
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

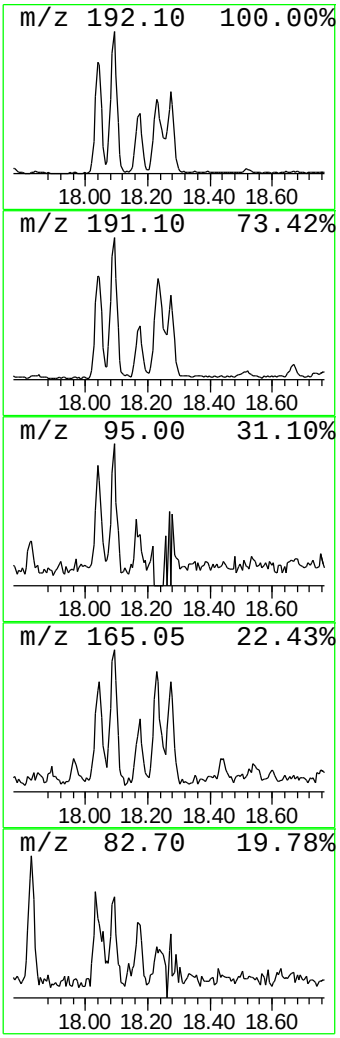
****

Peak Number 11 Anthracene, 2-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.27	2.43 ng	174917	Phenanthrene-d10	17.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	87
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	86
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	80
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	74
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	72





Library Search Compound Report

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Data File : BM020222.D
Acq On : 09 May 2019 18:02
Operator : JU/SJ
Sample : K2645-03 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : PL-02-050719-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM043019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

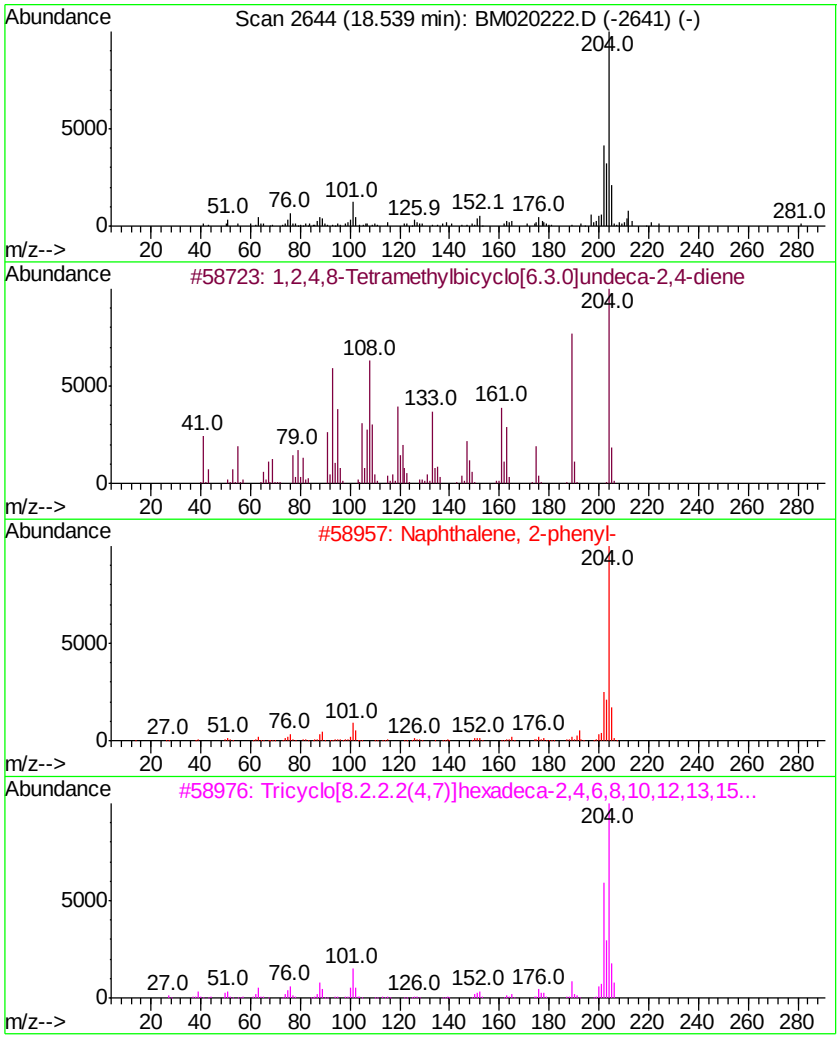
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

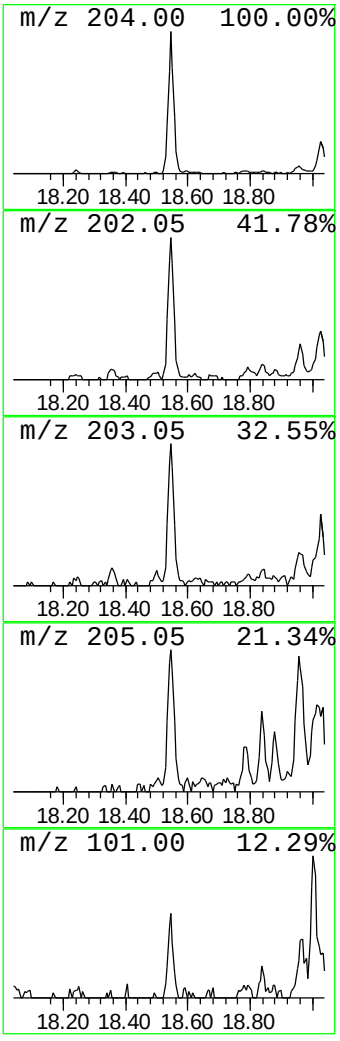
****

Peak Number 12 1,2,4,8-Tetramethylbicyclo[... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.54	2.62 ng	188633	Phenanthrene-d10	17.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	91
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	90
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	89
4	2-Phenylnaphthalene	204	C16H12	035465-71-5	86
5	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	86





Library Search Compound Report

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Data File : BM020222.D
Acq On : 09 May 2019 18:02
Operator : JU/SJ
Sample : K2645-03 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : PL-02-050719-B

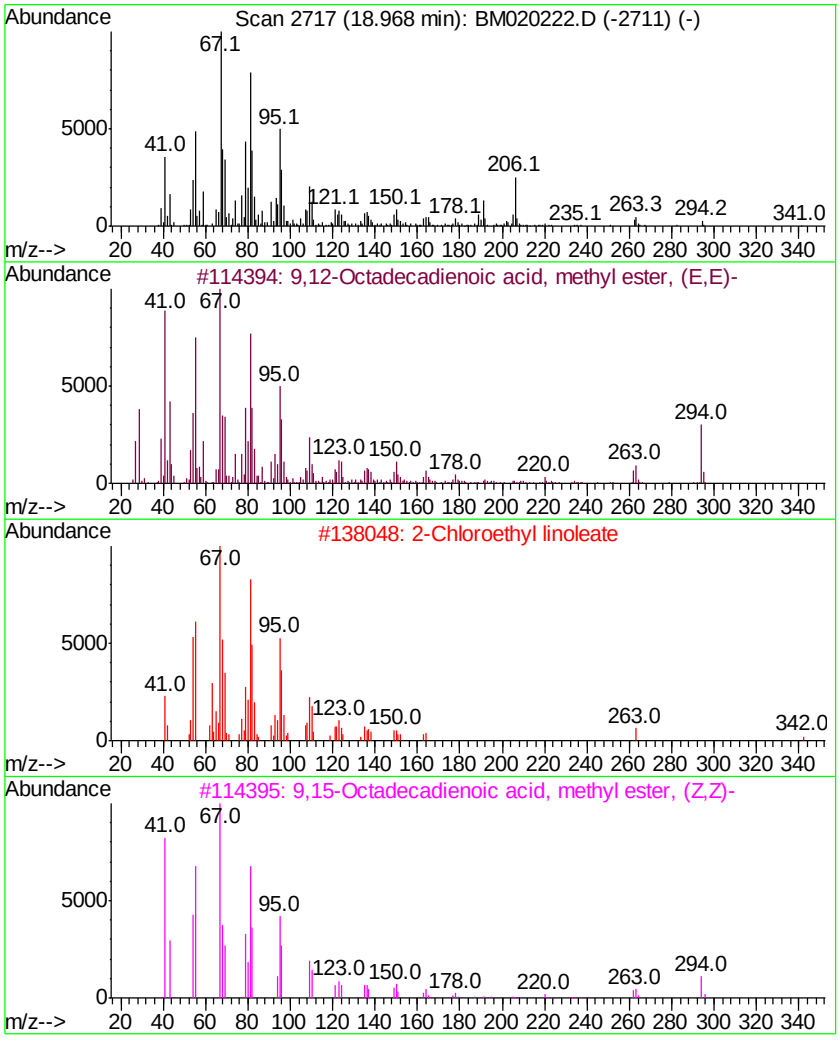
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM043019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

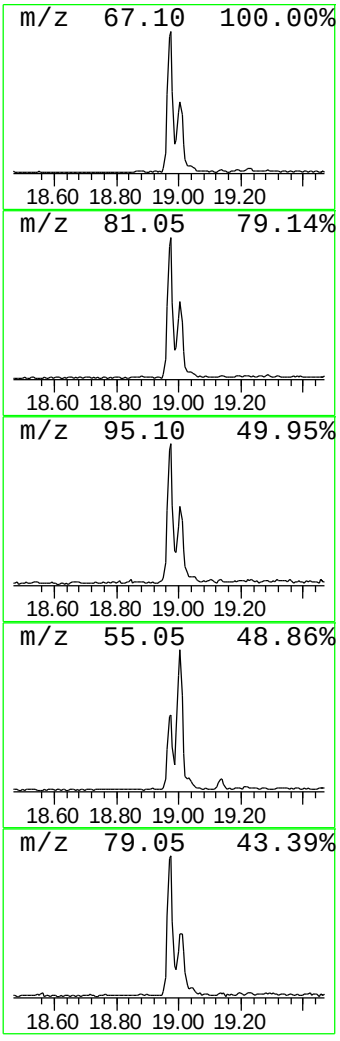
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 9,12-Octadecadienoic acid, ... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.97	18.66 ng	1344560	Phenanthrene-d10	17.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,12-Octadecadienoic acid, methy...	294	C19H34O2	002566-97-4	95
2	2-Chloroethyl linoleate	342	C20H35ClO2	025525-76-2	93
3	9,15-Octadecadienoic acid, methy...	294	C19H34O2	017309-05-6	89
4	9,12-Octadecadienoic acid, methy...	294	C19H34O2	002462-85-3	89
5	9,12-Octadecadienoic acid (Z,Z)-...	294	C19H34O2	000112-63-0	87





Library Search Compound Report

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Acq On : 09 May 2019 18:02
Operator : JU/SJ
Sample : K2645-03 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : PL-02-050719-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM043019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

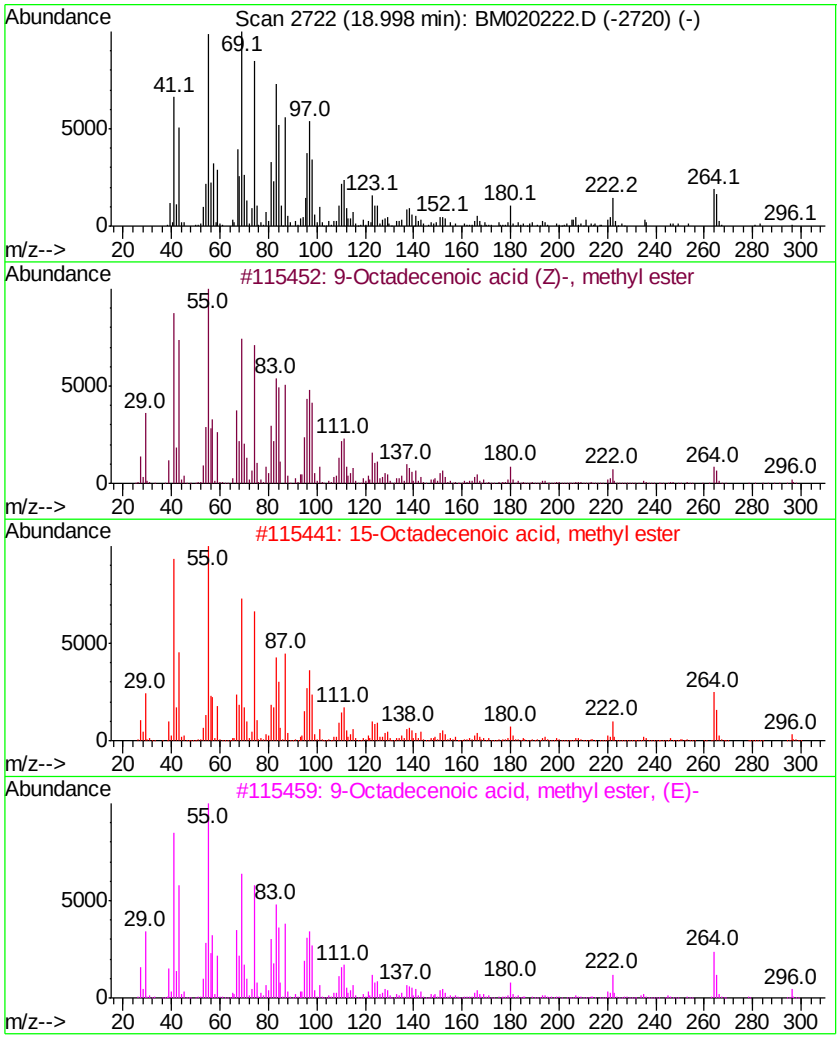
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

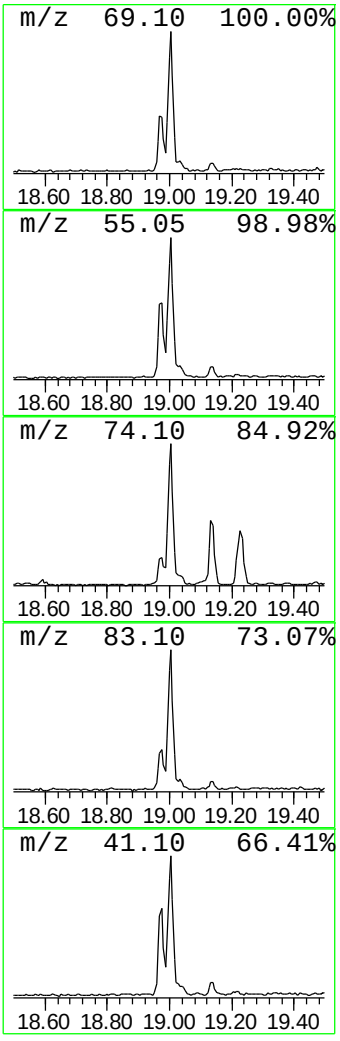
****

Peak Number 14 9-Octadecenoic acid (Z)-, m... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.00	25.67 ng	1849180	Phenanthrene-d10	17.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9-Octadecenoic acid (Z)-, methyl...	296	C19H36O2	000112-62-9	99
2	15-Octadecenoic acid, methyl ester	296	C19H36O2	004764-72-1	99
3	9-Octadecenoic acid, methyl este...	296	C19H36O2	001937-62-8	99
4	16-Octadecenoic acid, methyl ester	296	C19H36O2	056554-49-5	99
5	11-Octadecenoic acid, methyl est...	296	C19H36O2	001937-63-9	99





Library Search Compound Report

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Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : PL-02-050719-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM043019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
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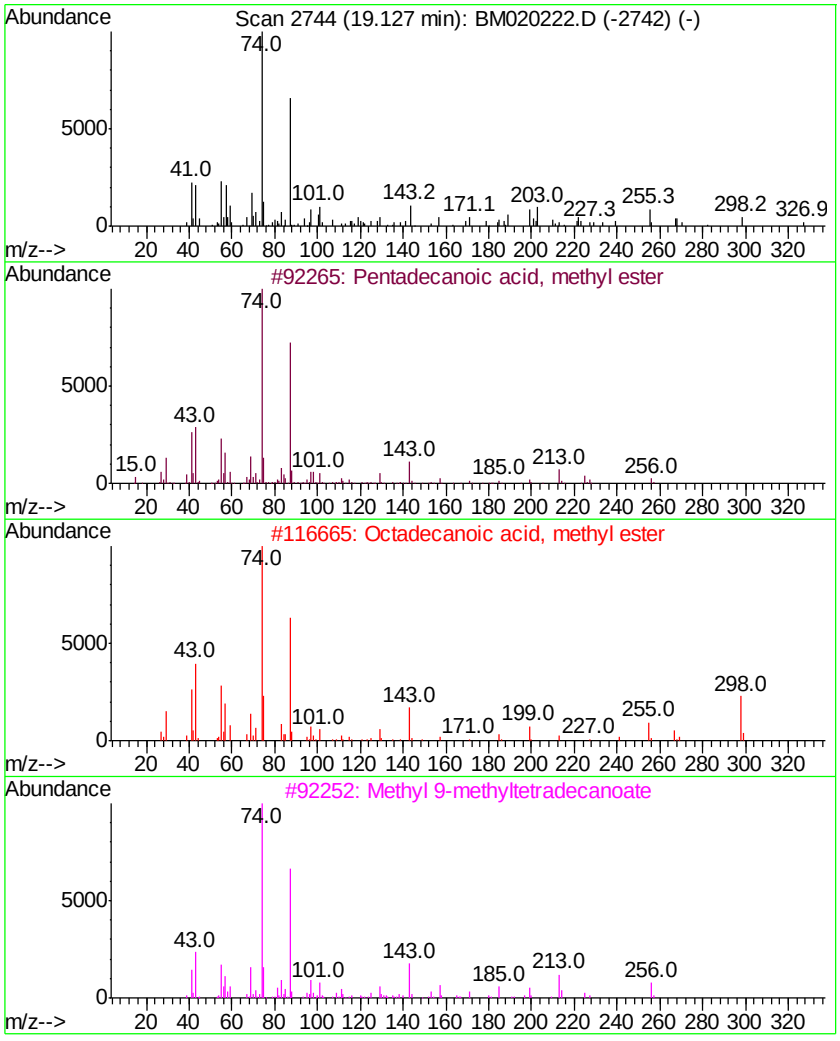
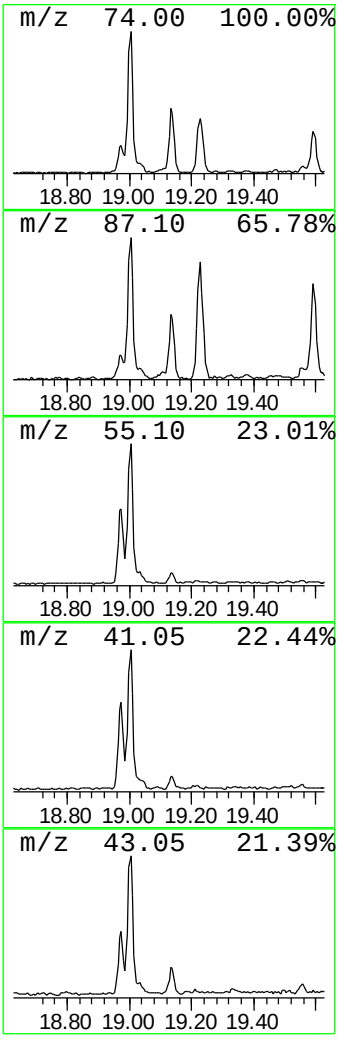
****

Peak Number 15 Pentadecanoic acid, methyl ... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.13	2.95 ng	212766	Phenanthrene-d10	17.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecanoic acid, methyl ester	256	C16H32O2	007132-64-1	90
2	Octadecanoic acid, methyl ester	298	C19H38O2	000112-61-8	83
3	Methyl 9-methyltetradecanoate	256	C16H32O2	213617-69-7	80
4	Methyl tetradecanoate	242	C15H30O2	000124-10-7	80
5	Decanoic acid, methyl ester	186	C11H22O2	000110-42-9	74





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Acq On : 09 May 2019 18:02
Operator : JU/SJ
Sample : K2645-03 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : PL-02-050719-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM043019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

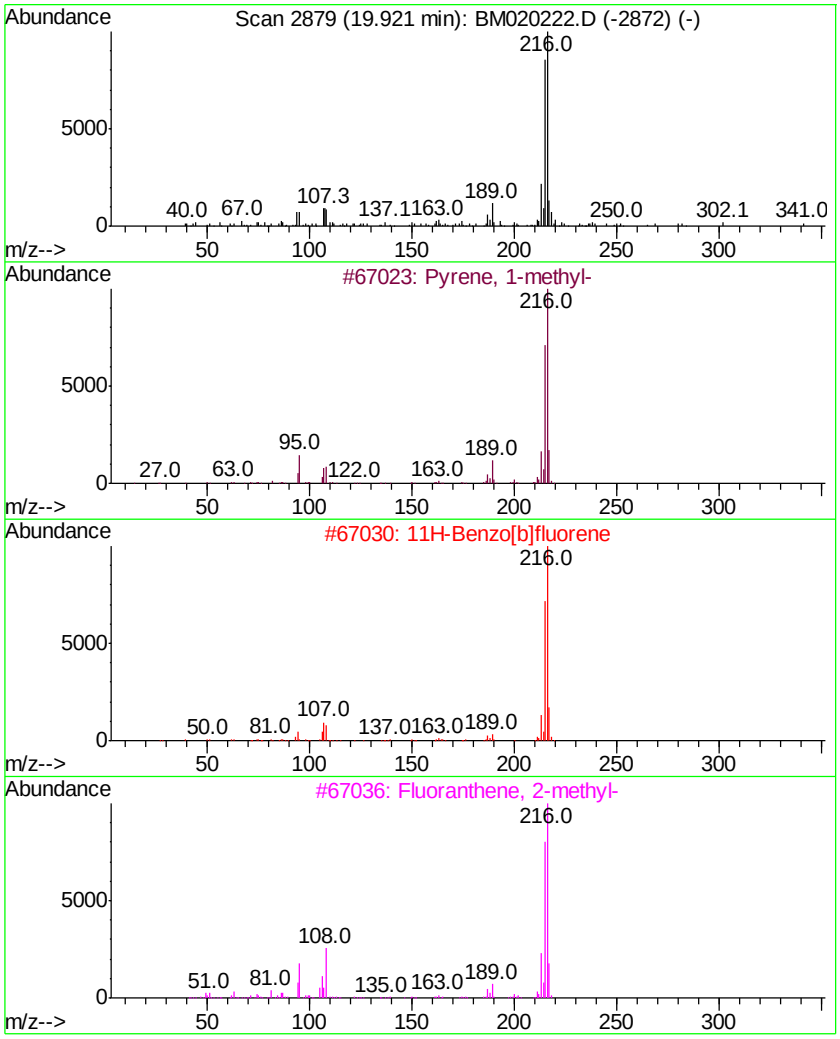
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

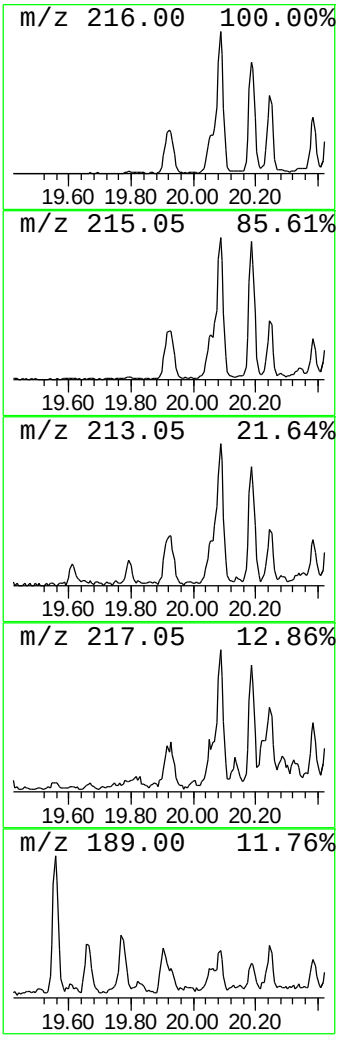
****

Peak Number 16 Pyrene, 1-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.92	2.12 ng	383747	Chrysene-d12	21.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	81
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	76
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	72
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	64





Library Search Compound Report

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Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : PL-02-050719-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM043019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

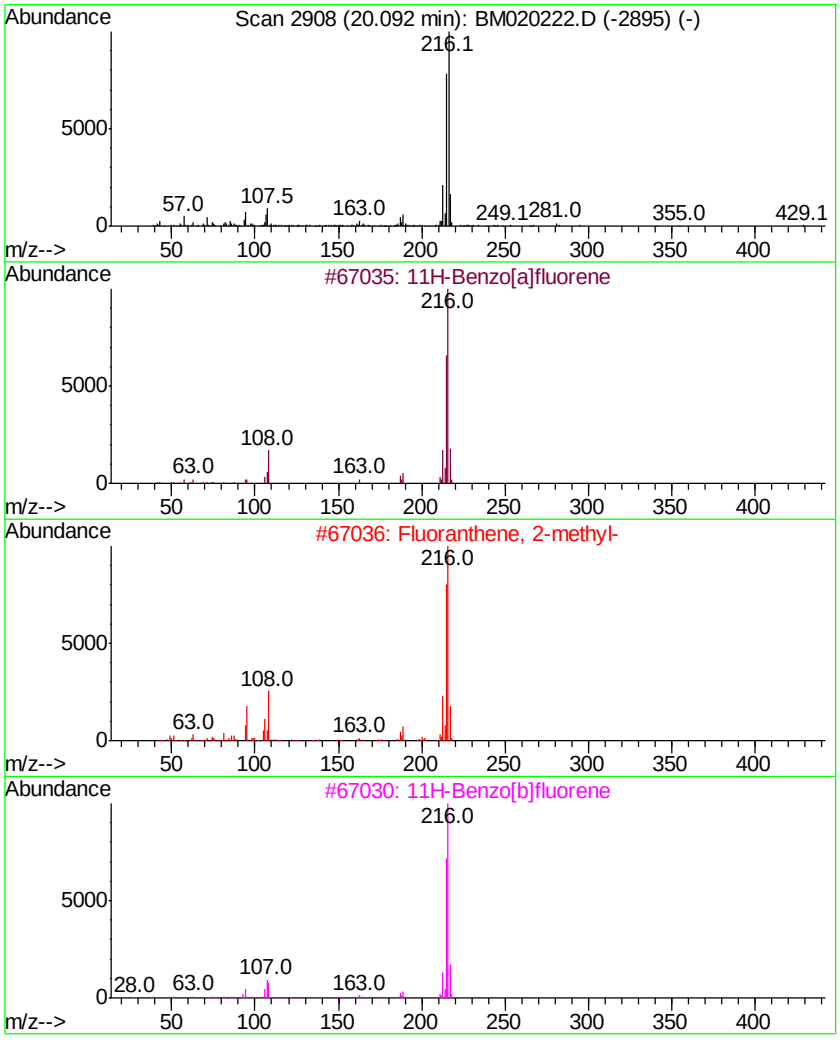
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

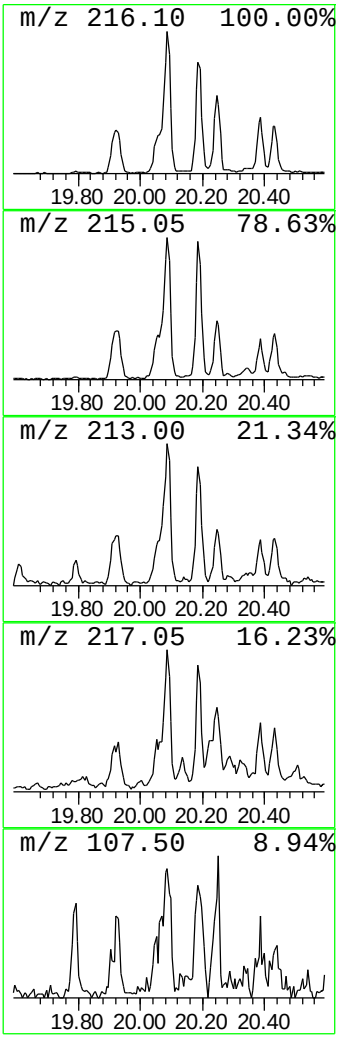
****

Peak Number 17 11H-Benzo[a]fluorene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.09	4.34 ng	784387	Chrysene-d12	21.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	87





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Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : PL-02-050719-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM043019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

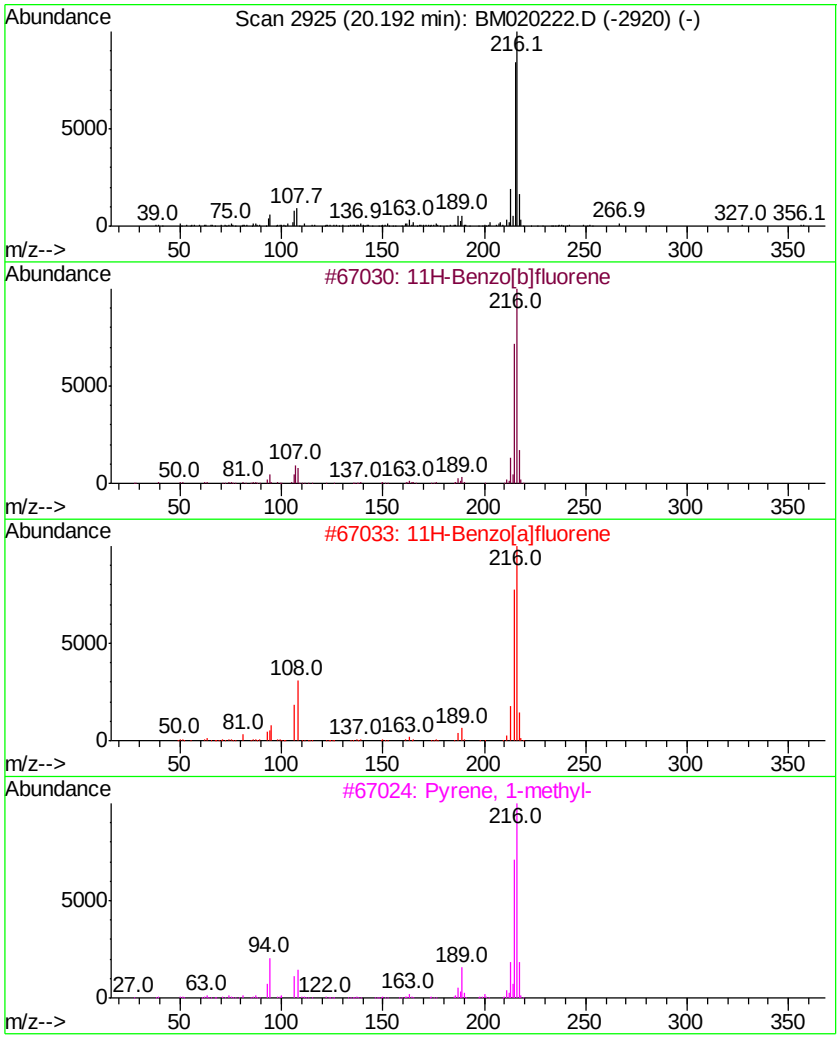
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

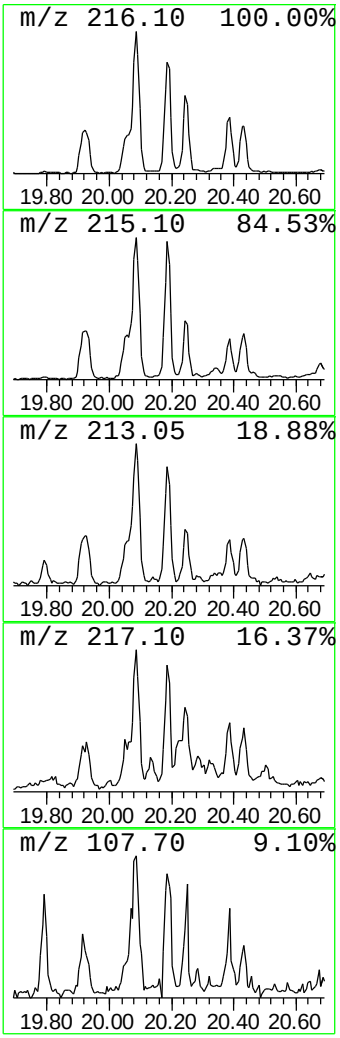
****

Peak Number 18 11H-Benzo[b]fluorene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.19	2.03 ng	366441	Chrysene-d12	21.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	86
4	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	72
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	64





Tentatively Identified Compound (LSC) summary

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Data File : BM020222.D
Acq On : 09 May 2019 18:02
Operator : JU/SJ
Sample : K2645-03 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : PL-02-050719-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM043019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
unknown7.30	7.30	15.3	ng	551387	1	7.77	723022	20.0
Dibenzothiophene	16.99	2.1	ng	152438	4	17.17	1440870	20.0
Methyl tetradecan...	17.83	5.0	ng	358366	4	17.17	1440870	20.0
Phenanthrene, 1-m...	18.04	5.2	ng	377533	4	17.17	1440870	20.0
Phenanthrene, 2-m...	18.09	5.2	ng	373924	4	17.17	1440870	20.0
Anthracene, 1-met...	18.17	2.5	ng	176562	4	17.17	1440870	20.0
4H-Cyclopenta[def...	18.24	8.8	ng	633471	4	17.17	1440870	20.0
Anthracene, 2-met...	18.27	2.4	ng	174917	4	17.17	1440870	20.0
1,2,4,8-Tetrameth...	18.54	2.6	ng	188633	4	17.17	1440870	20.0
9,12-Octadecadien...	18.97	18.7	ng	1344560	4	17.17	1440870	20.0
9-Octadecenoic ac...	19.00	25.7	ng	1849180	4	17.17	1440870	20.0
Pentadecanoic aci...	19.13	3.0	ng	212766	4	17.17	1440870	20.0
Pyrene, 1-methyl-	19.92	2.1	ng	383747	5	21.36	3617010	20.0
11H-Benzo[a]fluorene	20.09	4.3	ng	784387	5	21.36	3617010	20.0
11H-Benzo[b]fluorene	20.19	2.0	ng	366441	5	21.36	3617010	20.0